# Colour Television

## OWNER'S MANUAL

Please read this manual carefully before operating your set.
Retain it for future reference.
Record model number and serial number of the set.
See the label attached on the back cover and quote this information to your dealer when you require service.

Model number :
Serial number :

FOR THE GUARANTEE TERMS & CONDITIONS,
PLEASE REFER TO BACK COVER OF THIS MANUAL

P/NO : 3828VA0158D (PC8KA, 009K TX)
(3840VA0024A/B, 3840VA0016A, 373-026F)

# Contents


**Installation** 3

**Location and function of controls** 4
- Remote control handset
- Battery installation
- Front panel

**Basic operation** 7
- On and off / Programme selection
- Volume adjustment / Mute function / Quick view
- On screen language selection

**On screen menus** 8
- Menu selection

**Setting up TV stations** 9
- Auto programme tuning
- Manual programme tuning
- Fine Tuning
- Programme edit
- Calling the programme table

**Picture adjustment** 14
- Picture adjustment / Eye (option) / Picture format

**Sound adjustment** 15
- Sound adjustment
- Stereo / Dual reception
- NICAM reception
- Sound output selection

**Other functions** 17
- TV and AV modes / Child lock
- Auto sleep / Auto volume leveler
- Blue back / Sleep timer

**Teletext (option)** 19
- Switch on / off
- SIMPLE text
- TOP text (option)
- FASTEXT mode
- Special teletext functions

**Connection of external equipment** 22
- Aerial socket
- Euro scart sockets
- Audio / Video in sockets
- S-video / Audio in sockets (S-AV) (option)
- Headphone socket (option)

**Troubleshooting check list** 24

# Installation

## Power

This set operates on an AC mains supply, the voltage is as indicated on the label on the back cover. Never apply DC power to the set. In the event of thunderstorms or powercuts, please pull out the aerial and mains plugs.

## Warning

To prevent fire or shock hazard, do not expose the set to rain or moisture.

## Wiring (in U.K. only)

This set is supplied with a BS 1363 approved 13 amp mains plug, fused at 5 amp. When replacing the fuse always use a 5 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your dealer or “LG Electronics U.K. Ltd.”

If the type of plug supplied is not suitable for the mains sockets in your home, then the plug should be removed and a suitable type fitted. Please refer to the wiring instructions below:

## Warning (in U.K. only)

A mains plug removed from the mains lead of this set must be destroyed. A mains plug with bared wires is hazardous if inserted in a mains socket.

Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol ⏚ or coloured green or green and yellow.

If any other plug is fitted, use a 5 amp fuse, either in the plug, or at the distribution board.

## Important (in U.K. only)

The wires in this mains lead are coloured in accordance with the following codes:

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this set may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

## Service

Never remove the back cover of the set as this can expose you to very high voltage and other hazards. If the set does not operate properly, unplug it and call your dealer.

## Aerial

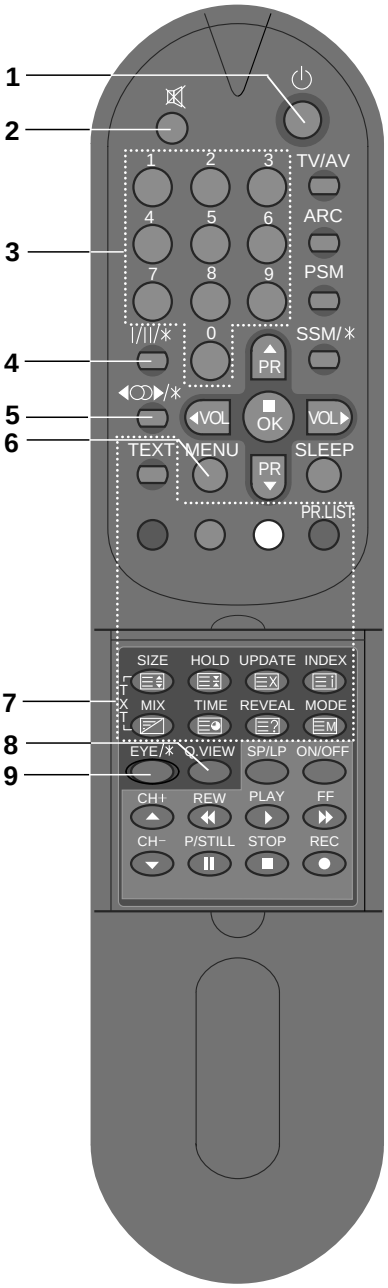
Connect the aerial cable to the socket marked ⟟75 Ω on the back cover. For the best reception an outdoor aerial should be used.

## Location

Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back cover.

# Location and function of controls

All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.




## Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.

1. **POWER (⏻)**
   switches the set on from standby or off to standby.

2. **MUTE (🔇)**
   switches the sound on or off.

3. **NUMBER BUTTONS**
   switches the set on from standby or directly select a number.

4. **DUAL (I/II/✳)**
   selects the language during dual language broadcast.
   selects mono sound during stereo broadcast.

5. **SURROUND (◀◯▶/✳)**
   selects surround sound.

6. **MENU**
   selects a menu.

7. **TELETEXT BUTTONS (option)**
   These buttons are used for teletext.
   For further details, see the ‘Teletext’ section.

8. **Q. VIEW**
   returns to the previously viewed programme.

9. **EYE (option)**
   switches the eye function on or off.

# Location and function of controls

**10. TV/AV**
selects TV or AV mode.
clears the menu from the screen.
switches the set on from standby.

**11. ARC (Aspect Ratio Control)**
changes the picture format.

**12. PSM (Picture Status Memory)**
recalls your preferred picture setting.

**13. SSM/✱ (Sound Status Memory)**
recalls your preferred sound setting.

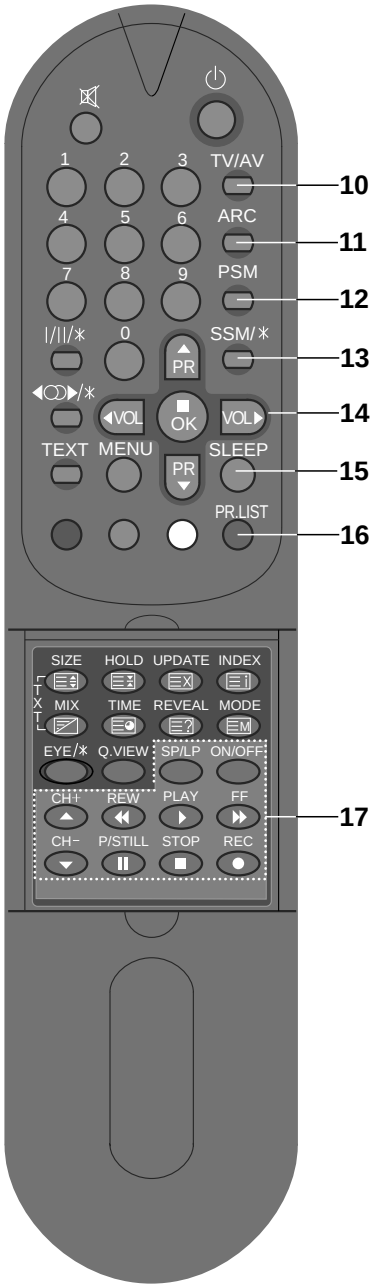
**14. ▲ / ▼ (Programme Up/Down)**
selects a programme or a menu item.
switches the set on from standby.
**◄ / ► (Volume Up/Down)**
adjusts the volume.
adjusts menu settings.
**OK**
accepts your selection or displays the current mode.

**15. SLEEP**
sets the sleep timer.

**16. PR. LIST**
displays the programme table.

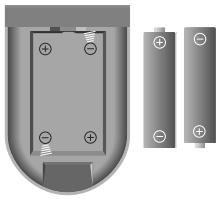
**17. VCR BUTTONS**
control a LG video cassette recorder.

***Note :*** *The **PR. LIST** button is used as teletext colour button in teletext mode.*




## Battery installation

The remote control handset is powered by two AA type batteries. Gently pull down the cover of the remote control handset until the battery compartment is exposed. Install two batteries as indicated by the polarity symbols (⊕ and ⊖) marked inside the compartment.

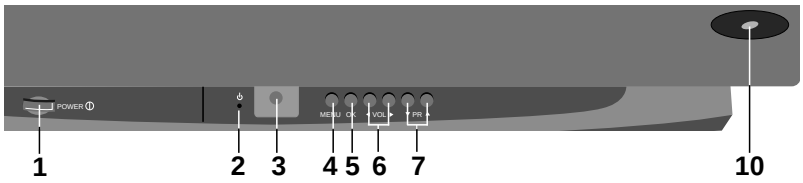


***Note :*** *To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.*

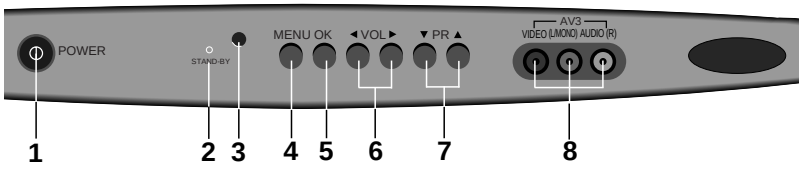
# Location and function of controls

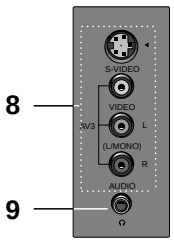
## Front panel

### CI-29/25H40 series




### CI-29/25H30 series




**Side panel**

1. **MAIN POWER**
   switches the set on or off.

2. **POWER/STANDBY INDICATOR**
   illuminates brightly when the set is in standby mode.
   dims when the set is switched on.

3. **REMOTE CONTROL SENSOR**

4. **MENU**
   selects a menu.

5. **OK**
   accepts your selection or displays the current mode.

6. **◄ / ► (Volume Up/Down)**
   adjusts the volume.
   adjusts menu settings.

7. **▲ / ▼ (Programme Up/Down)**
   selects a programme or a menu item.
   switches the set on from standby.

8. **AUDIO/VIDEO IN SOCKETS (AV3)**
   Connect the audio/video out sockets of external equipment to these sockets.

   **S-VIDEO/AUDIO IN SOCKETS (S-AV) (option)**
   Connect the video out socket of an S-VIDEO VCR to the **S-VIDEO** socket.
   Connect the audio out sockets of the S-VIDEO VCR to the audio sockets as in **AV3**.

9. **HEADPHONE SOCKET (option)**
   Connect the headphone plug to this socket.

10. **Eye (option)**
    adjusts picture according to the surrounding conditions.

# Basic operation

## On and off

1. Press the main power button to switch the set on.
2. If the set is in standby mode, press the ⏻(power), **▲ / ▼**, **TV/AV** or NUMBER buttons on the remote control handset to switch it on fully.
3. Press the ⏻(power) button on the remote control handset. The set reverts to standby mode.
4. Press the main power button again to switch the set off.

***Note :*** *If, while the set is switched on, the mains plug is disconnected the set will switch to standby or power on when the mains plug is replaced in the mains power socket.*

## Programme selection

You can select a programme number with the **▲ / ▼** or NUMBER buttons.

## Volume adjustment

Press the **◄ / ►** button to adjust the volume.

## Mute function

Press the 🔇 button. The sound is switched off and the display 🔇 appears.
You can cancel it by pressing the 🔇, **◄ / ►**, **SSM/✱**, **I/II/✱** or **◄◯►/✱** button.

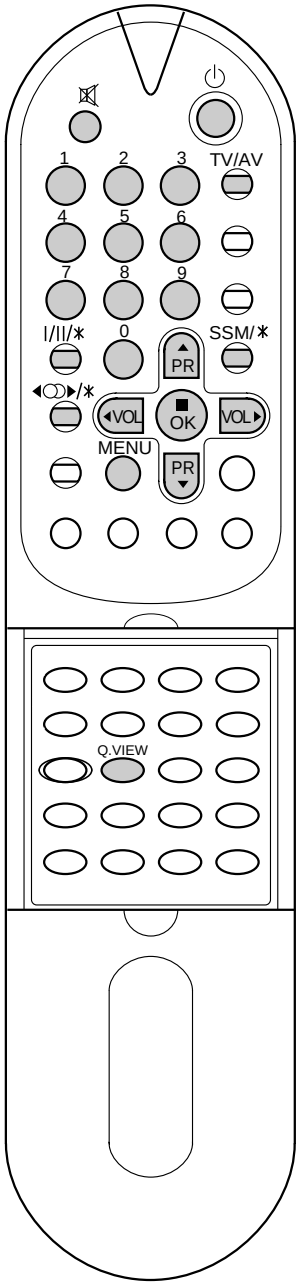
## Quick view

Press the **Q.VIEW** button to view the last programme you were watching.

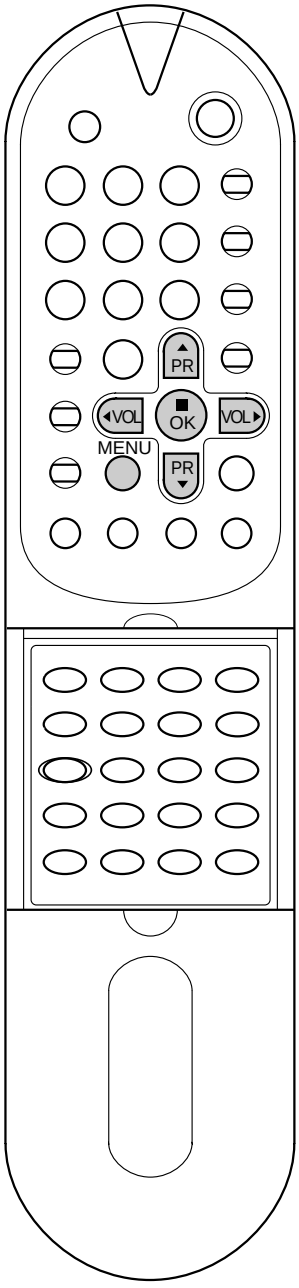
## On screen language selection

The menu can be displayed on the screen in desired language. First select your language.

1. Press the **MENU** button to select the Station menu.
2. Press the **▲ / ▼** button to select **Language**.
3. Press the **OK** button.
4. Press the **▲ / ▼** or **◄ / ►** button to select your desired language.
5. Press the **OK** button.
   All the on screen displays will appear in the selected language.
6. Press the **TV/AV** button to return to normal TV viewing.



# On screen menus



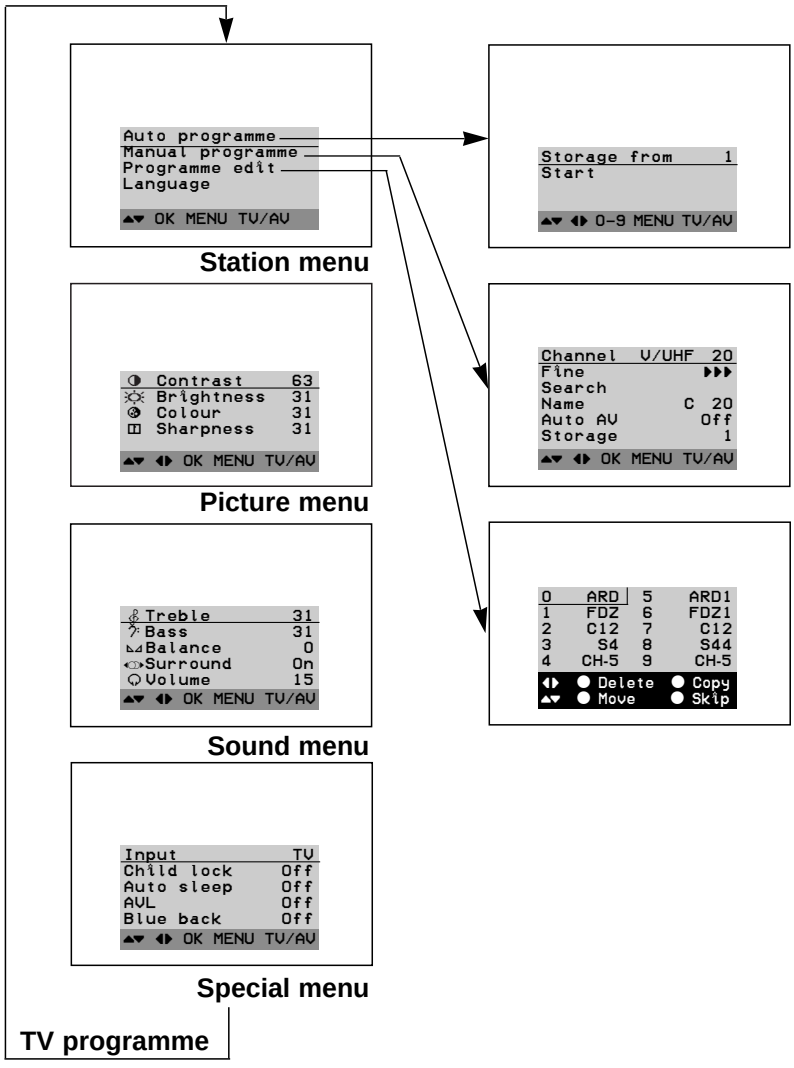

The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

## Menu selection

1. Repeatedly press the **MENU** button to display each menu.
2. Press the ▲ / ▼ button to select a menu item.
   The selected menu item changes from green to purple.
3. Press the ◄ / ► button to change the setting of a menu item or **OK** button to display the sub menu.

***Note :***

*a. In the AV mode, the Station menu is not displayed.*
*b. In the teletext mode, menus are not displayed.*
*c. In some models, the* ***Volume*** *will display in the Sound menu. Only a set with headphone socket can perform this function.*



# Setting up TV stations

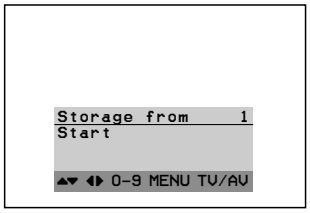
Up to 100 TV stations can be stored in this set by programme numbers (0 to 99). Once you have preset the stations, you will be able to use the ▲ / ▼ or NUMBER buttons to scan the stations you programmed. Stations can be tuned using automatic or manual tuning.

**Station Menu**

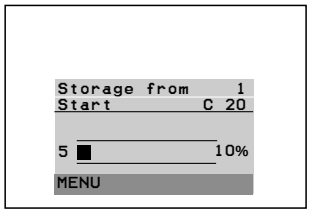
## Auto programme tuning

All stations that can be received are stored by this method. It is recommended that you use auto programme during installation of this set.

1. Repeatedly press the **MENU** button to select the Station menu.
2. Press the ▲ / ▼ button to select **Auto programme**.
3. Press the **OK** button to display the **Auto programme** menu.




4. Press the ▲ / ▼ button to select **Storage from**.
5. Select the beginning programme number with the ◀ / ▶ button or NUMBER buttons. Any number under 10 is entered with a numeric **'0'** in front of it, i.e. **'05'** for 5.
6. Press the ▲ / ▼ button to select **Start**.
7. Press the **OK** button to begin auto programming.

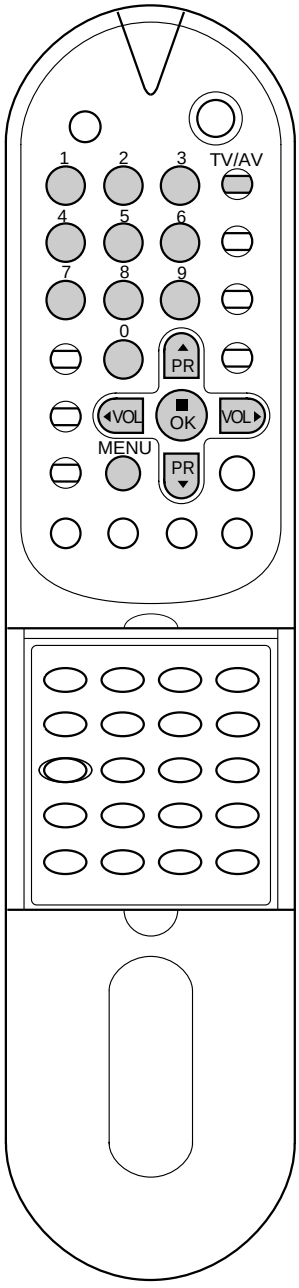



All receivable stations are stored. The station name is stored for stations which broadcast PDC (Programme Delivery Control) or TELETEXT data. If no station name can be assigned to a station, the channel number is assigned and stored as **C** (V/UHF 01-69) or **S** (Cable 01-47), followed by a number.

To stop auto programming, press the **MENU** button.

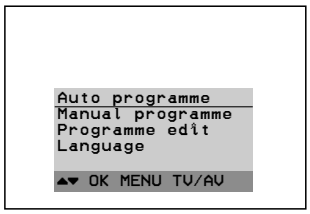
When auto programming is completed, the **Programme edit** menu appears on the screen. See the 'Programme edit' section to edit the stored programme.

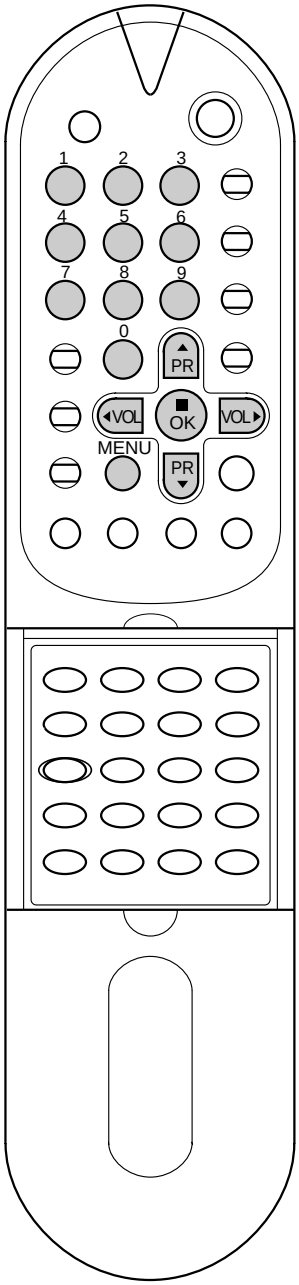
8. Press the **TV/AV** button to return to normal TV viewing.



# Setting up TV stations

**Station Menu**

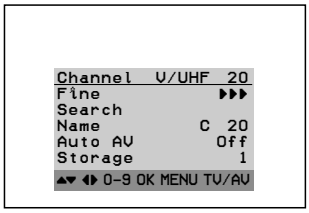


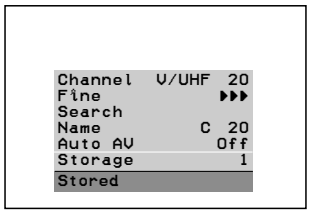

## Manual programme tuning

Manual programme lets you manually tune and arrange the stations in whatever order you desire. Also you can assign a station name with five characters to each programme number.

1. Repeatedly press the **MENU** button to select the Station menu.
2. Press the ▲ / ▼ button to select **Manual programme**.
3. Press the **OK** button to display the **Manual programme** menu.




4. Press the ▲ / ▼ button to select **Channel**. Press the ◄ / ► button to select **V/UHF** or **Cable** as required.
   If possible, select the channel number (1 to 69) directly with the number buttons. Any number under 10 is entered with a numeric **'0'** in front of it, i.e. **'05'** for 5.
5. Press the ▲ / ▼ button to select **Search**. Press the ◄ / ► button to commence searching. If a station is found the search will stop.
6. If this station is the one required, press the ▲ / ▼ button to select **Storage**. Select the desired programme number (0 to 99) with the ◄ / ► button or NUMBER buttons. Any number under 10 is entered with a numeric **'0'** in front of it, i.e. **'05'** for 5.
7. Press the **OK** button to store it. The display **Stored** will appear.




8. To store another station, repeat steps 4 to 7.

**Assigning a station name**

1. Repeat the 'Manual programme tuning' steps 1 to 3.
2. Press the ▲ / ▼ button to select **Name**.
3. Press the ► button. You can use a blank, **+**, **-**, the numeric **0** to **9** and the alphabet **A** to **Z**.
   With the ◄ button you can select in the opposite direction.
4. Select the next position by pressing the **OK** button and then take your choice of the second character, and so on.
5. Repeat the 'Manual programme tuning' steps 6 to 7.

# Setting up TV stations

**Auto AV setting**
Select **Auto AV AV 1** or **AV 2** with the VCR connected to the Euro scart 1 or 2. The set will automatically switch to AV mode when an AV signal is received. But if you want to keep on watching TV mode, set **Auto AV** to **Off**.

1. Repeat the 'Manual programme tuning' steps 1 to 3.
2. Press the ▲ / ▼ button to select **Auto AV**.
3. Press the ◄ / ► button to select **Off**, **AV 1** or **AV 2**.
4. Repeat the 'Manual programme tuning' steps 6 to 7.

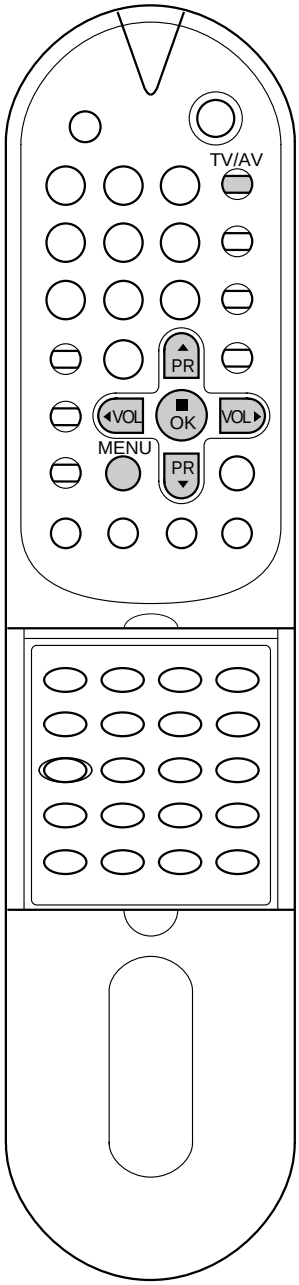
Press the **TV/AV** button to return to normal TV viewing.

## Fine tuning

Normally fine tuning is only necessary if reception is poor.

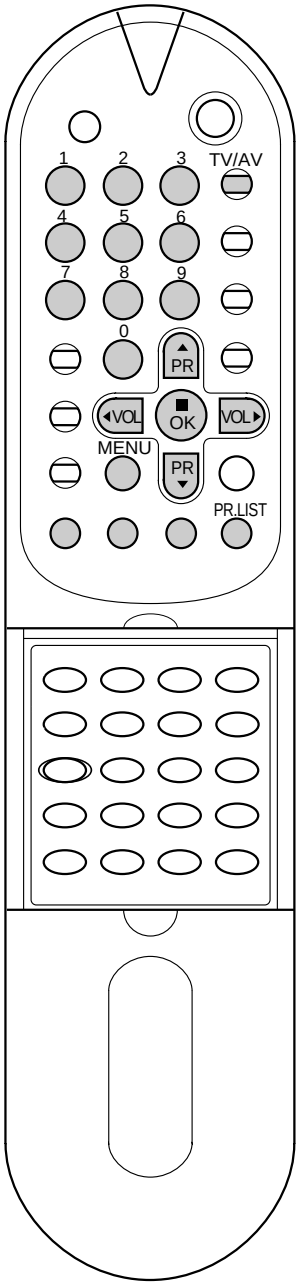
1. Repeat the 'Manual programme tuning' steps 1 to 3.
2. Press the ▲ / ▼ button to select **Fine**.
3. Press the ◄ / ► button to fine tune for the best picture and sound.
4. Repeat the 'Manual programme tuning' steps 6 to 7.
5. Press the **TV/AV** button to return to normal TV viewing.
   The finely tuned programme will be indicated by a yellow number during programme selection.

**Station Menu**



# Setting up TV stations

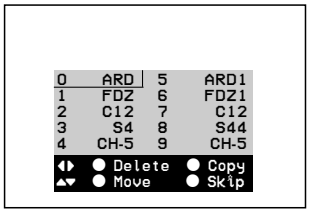
**Station Menu**




## Programme edit

This function enables you to delete or skip the stored programmes. Also you can move some stations to other programme numbers or insert a blank station data into the selected programme number.

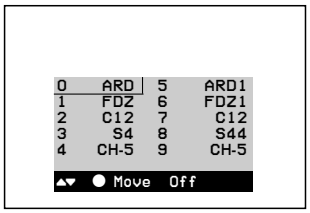
1. Repeatedly press the **MENU** button to select the Station menu.
2. Press the ▲ / ▼ button to select **Programme edit**.
3. Press the **OK** button to display the **Programme edit** menu.




**Deleting a programme**
1. Select a programme to be deleted with the ▲ / ▼ or ◄ / ► button.
2. Press the RED button twice.
   The selected programme is deleted, all the following programmes are shifted up one position.

**Copying a programme**
1. Select a programme to be copied with the ▲ / ▼ or ◄ / ► button.
2. Press the GREEN button.
   All the following programmes are shifted down one position.

**Moving a programme**
1. Select a programme to be moved with the ▲ / ▼ or ◄ / ► button.
2. Press the YELLOW button.
3. Move the programme to the desired programme number with the ▲ / ▼ button.
4. Press the YELLOW button again to release this function.




**Skipping a programme number**
1. Select a programme number to be skipped with the ▲ / ▼ or ◄ / ► button.
2. Press the BLUE button. The skipped programme turns to blue.
3. Press the BLUE button again to release the skipped programme.
   When a programme number is skipped it means that you will be unable to select it using the ▲ / ▼ button during normal TV viewing. If you want to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or table menu.

***Note :*** *The programme number 01 cannot be skipped.*

Press the **TV/AV** button to return to normal TV viewing.

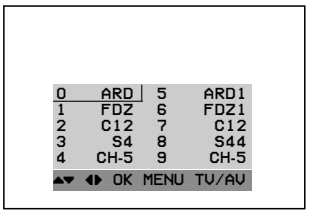
# Setting up TV stations

## Calling the programme table

You can check the programmes stored in the memory by displaying the programme table.

**Displaying programme table**

1. Press the **PR. LIST** button to display the **Programme table** menu.
   The programme table appears on the screen. One programme table contains ten programmes as below.




***Note :***

*a. You may find some blue programmes. They are skipped during auto programming or in the programme edit mode.*

*b. Some programmes with the channel number shown in the programme table indicate there is no station name assigned.*

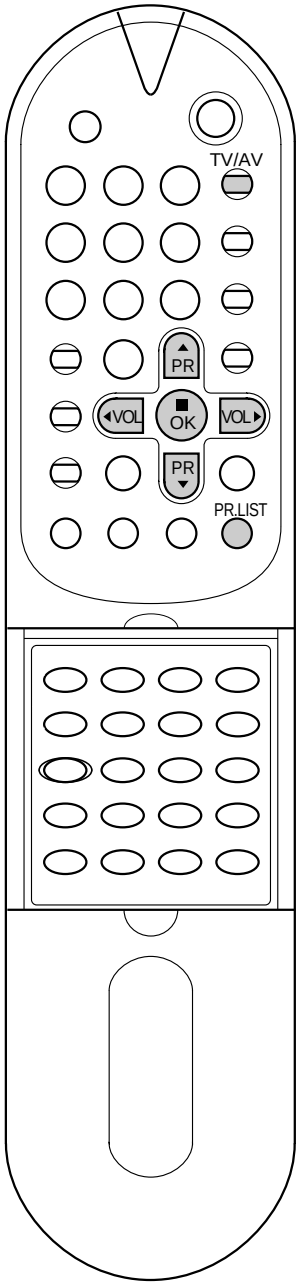
**Selecting a programme in the programme table**

Select a programme with the ▲ / ▼ or ◄ / ► button.
Then press the **OK** button.
The set switches to the chosen programme number.

**Paging through a programme table**

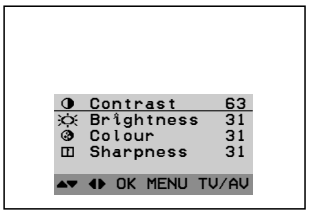
There are 10 programme table pages in which contain 100 programmes.
Pressing the ▲ / ▼ or ◄ / ► button repeatedly turns the pages.

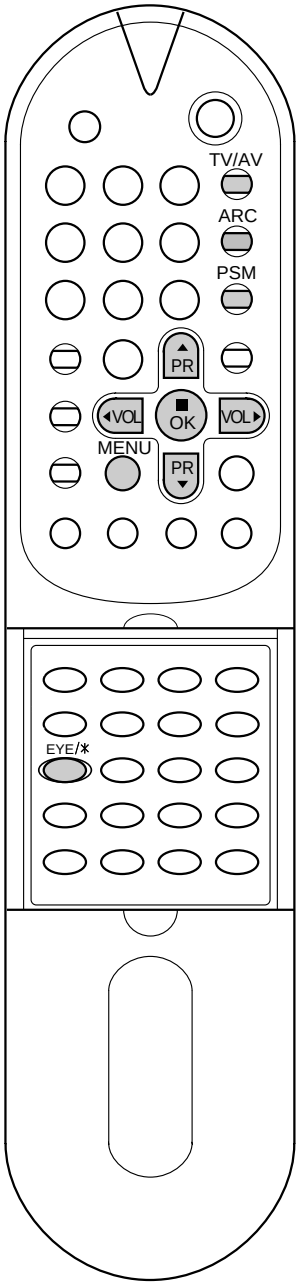
Press the **TV/AV** button to return to normal TV viewing.



# Picture adjustment

**Picture Menu**

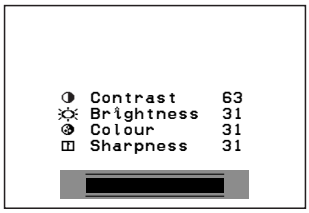



## Picture adjustment

You can adjust picture contrast, brightness, colour intensity, sharpness and tint (NTSC AV only) to the levels you prefer.

1. Repeatedly press the **MENU** button to select the Picture menu.
2. Press the ▲ / ▼ button to select the desired picture item.
3. Press the ◀ / ▶ button to make appropriate adjustments.



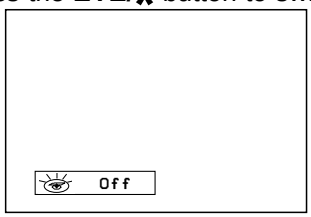

4. Press the **OK** button to store it for the picture **User**.

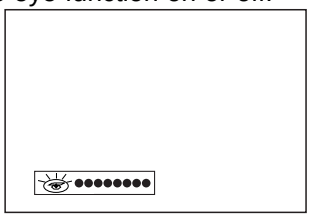
To recall your preferred setting, press the **PSM** button until the desired picture (**Dynamic**, **Mild**, **Standard** or **User**) appears. The picture **Dynamic**, **Mild** and **Standard** are programmed for good picture reproduction at the factory and cannot be changed.

## Eye (option)

Eye is an optional function. Only a set with eye option can perform this function.
In some models, the set will automatically adjust the picture according to the surrounding conditions. This will enable you to enjoy the most suitable picture according to the surroundings.

Press the **EYE/*** button to switch the eye function on or off.



When the eye function is on, the most suitable picture is automatically adjusted according to the surrounding conditions.
At this time the display •••••••• in green does not appear continuously but the display •••••••• in yellow appears each time the picture condition changes.

***Note :*** *If you press the **PSM** button with the eye function, the eye function is automatically switched off.*

## Picture format

You can watch the TV in various picture formats; Standard, Wide or Zoom.
Repeatedly press the **ARC** button to select your desired picture format.

**Standard**
This picture format is 4 to 3 of general TV.

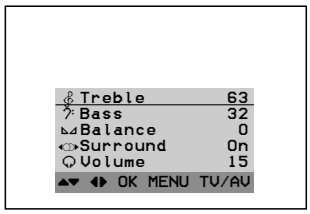
**Wide**
You can enjoy the cinema (the picture format of 16:9) or general TV programme through the 16:9 mode.
The screen 16:9 is viewed just like that but the screen 4:3 is magnified to the left and right so that the screen 16:9 is full.

**Zoom**
You can enjoy the cinema in a vast screen through the Zoom mode. The screen 4:3 is magnified to the upper/lower and left/right sides so that the screen 16:9 is full. The bottom and top of the picture may be lost.

***Note :***
*a. When you switch the set to standby or off, the **Wide** or **Zoom** picture format is reset to the **Standard** (4:3).*
*b. In the manual AV mode, **Wide** picture format is not available.*

# Sound adjustment

## Sound adjustment



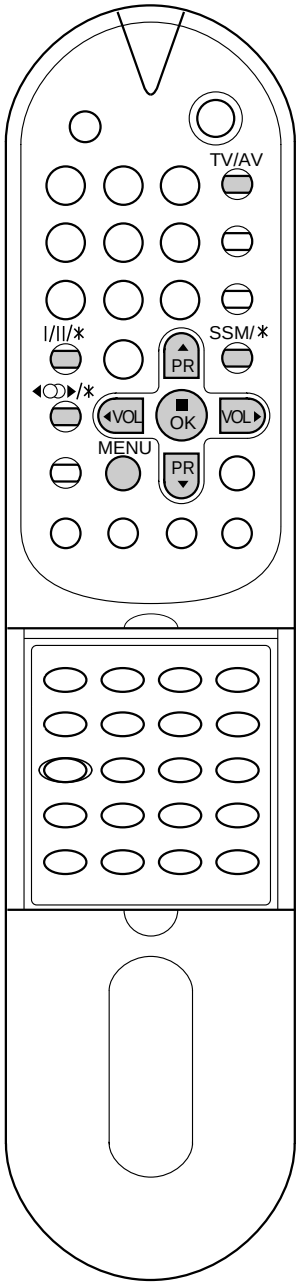

**Sound Menu**

You can adjust the sound treble, bass, balance, surround and headphone volume/sound (option) to the levels you prefer.
The surround sound creates an all around sound as in a concert hall.

1. Repeatedly press the **MENU** button to select the Sound menu.
2. Press the ▲ / ▼ button to select the desired sound item.
3. Press the ◄ / ► button to make desired adjustment.
4. Press the **OK** button to store it for the sound **User**.

To recall your preferred setting, press the **SSM/✱** button until the desired sound (**Music**, **Speech**, **Standard** or **User**) appears. The sound **Music**, **Speech** and **Standard** are programmed for good sound reproduction at the factory and cannot be changed.

Alternatively you can select the **Surround On** or **Off** by pressing the ◄◯►**/✱** button.



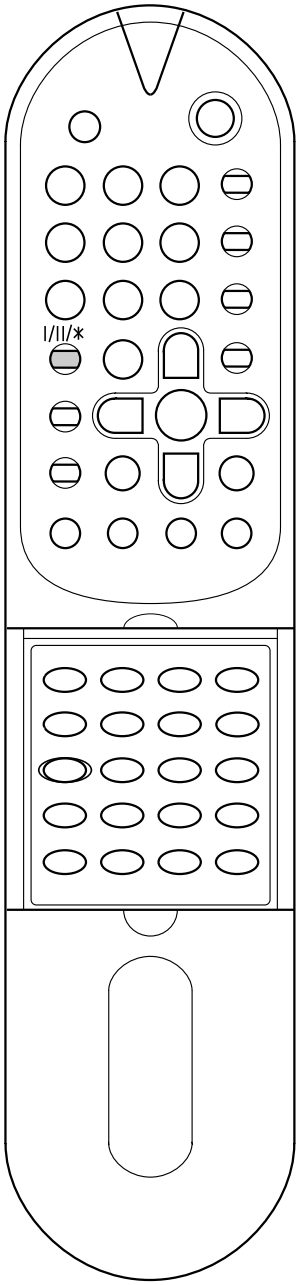

## Stereo/Dual reception

When a programme is selected, the sound information for the station appears after the programme number and station name disappear.

| Broadcast | On Screen Display |
|---|---|
| Mono | **MONO** |
| Stereo | **STEREO** |
| Dual | **DUAL I** |

**Mono sound selection**
In stereo reception if the stereo signal is weak, you can switch to mono by pressing the **I/II/✱** button twice. In mono reception the depth of sound is improved. To switch back to stereo, press the **I/II/✱** button twice again.

# Sound adjustment




**Language selection for dual language broadcast**
If a programme is received in two languages (dual language), you can switch to **DUAL I**, **DUAL II** or **DUAL I II** by pressing the **I/II/*** button repeatedly.
**DUAL I** sends the primary broadcast language to the loudspeakers.
**DUAL II** sends the secondary broadcast language to the loudspeakers.
**DUAL I II** sends a separate language to each loudspeaker.

## NICAM reception

If your set is equipped with the receiver for NICAM reception, the high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received.
Sound output can be selected according to the type of received broadcast as follows by pressing the **I/II/*** button repeatedly.

1. When NICAM mono is received, you can select **NICAM MONO** or FM MONO.
2. When NICAM stereo is received, you can select **NICAM STEREO** or FM MONO. If the stereo signal is weak, switch to FM mono.
3. When NICAM dual is received, you can select **NICAM DUAL I**, **NICAM DUAL II** or **NICAM DUAL I II** or MONO. When FM mono is selected the display **MONO** appears on the screen.

## Sound output selection

In AV mode, you can select output sound for the left and right loudspeakers.

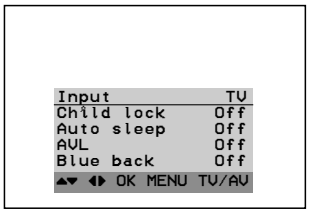
Repeatedly press the **I/II/*** button to select the sound output.

**L+R** : Audio signal from audio L input is sent to left loud-speaker and audio signal from audio R input is sent to right loudspeaker.
**L+L** : Audio signal from audio L input is sent to left and right loudspeakers.
**R+R** : Audio signal from audio R input is sent to left and right loudspeakers.

# Other functions

## TV and AV modes

Special Menu

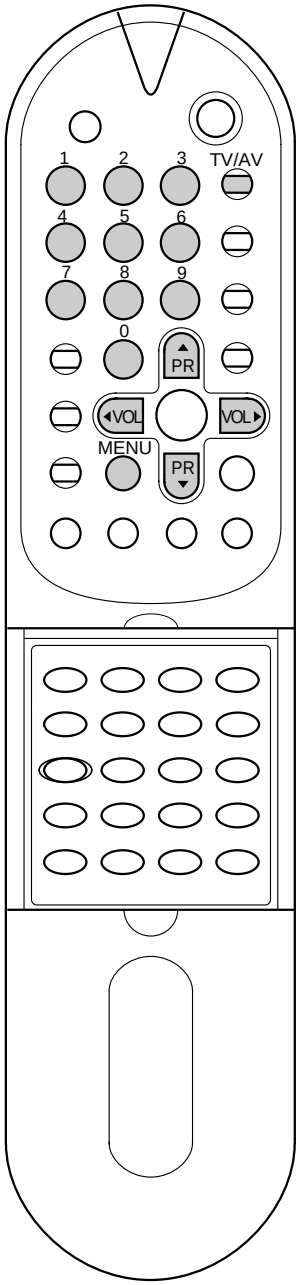



Inputs can be set for TV or AV mode. AV mode is used when a video cassette recorder (VCR), or other equipment is connected to the set.

***Note :*** *When a VCR is connected via the aerial socket the set is used in TV mode. See the 'Connection of external equipment' section.*

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▲ / ▼ button to select **Input**.
3. Press the ◄ / ► button to select **TV**, **AV 1**, **AV 2** or **AV 3**.
   The three AV modes are :
   AV1 : VCR connected to the Euro scart socket 1 on the back
   AV2 : VCR connected to the Euro scart socket 2 on the back
   AV3 : VCR connected to the **AV3** sockets on the front or side panel

Alternatively you can select the TV or AV mode by pressing the **TV/AV** button.




## Child lock

The TV can be set so that the remote control handset is needed to control it. This feature can be used to prevent unauthorized viewing.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▲ / ▼ button to select **Child lock**.
3. Press the ◄ / ► button on the remote control handset to select **On**.
4. Press the **TV/AV** button to return to normal TV viewing.

With the lock on, the display **Child lock On** appears on the screen if any button on the front panel is pressed while viewing the TV.

***Note :*** *The display **Child lock On** will not appears on the screen if any button on the front panel is pressed while displaying the menus.*

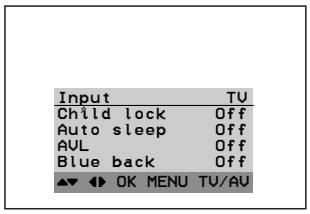
## Auto sleep

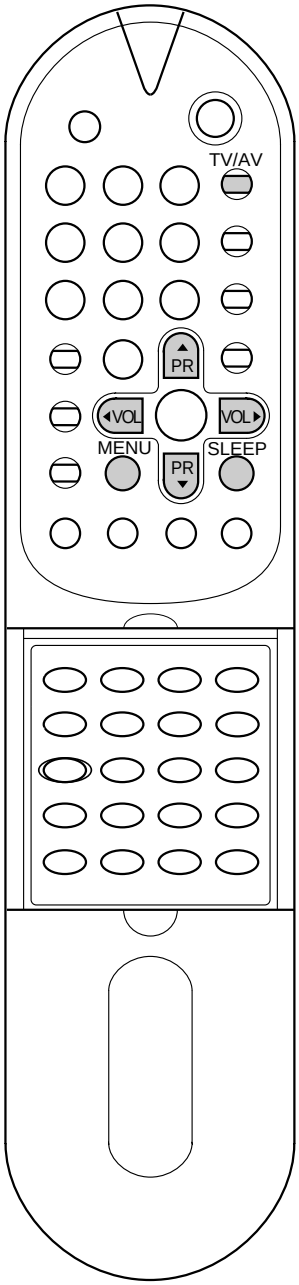
If you select **Auto sleep On** the set will automatically switch itself to standby mode approximately ten minutes after a TV station stops broadcasting.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▲ / ▼ button to select **Auto sleep**.
3. Press the ◄ / ► button to select **On**.
4. Press the **TV/AV** button to return to normal TV viewing.

# Other functions

**Special Menu**




## AVL (Auto volume leveler)

If you select **AVL On**, the set automatically keeps on an equal volume level even if you change programmes.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▲ / ▼ button to select **AVL**.
3. Press the ◀ / ▶ button to select **On**.
4. Press the **TV/AV** button to return to normal TV viewing.

## Blue back

If you have set **Blue back On**, the blue background appears on the screen when there is no or poor signal.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▲ / ▼ button to select **Blue back**.
3. Press the ◀ / ▶ button to select **On**.
4. Press the **TV/AV** button to return to normal TV viewing.

## Sleep timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.
Press the **SLEEP** button to select the number of minutes. The display ⏻ **---** will appear on the screen, followed by **10**, **20**, **30**, **60**, **90**, **120**, **180** and **240**. The timer begins to count down from the number of minutes selected.

***Note :***

*a. To view the remaining sleep time, press the **SLEEP** button once.*

*b. To cancel the sleep time, repeatedly press the **SLEEP** button until the display ⏻**---** appears.*

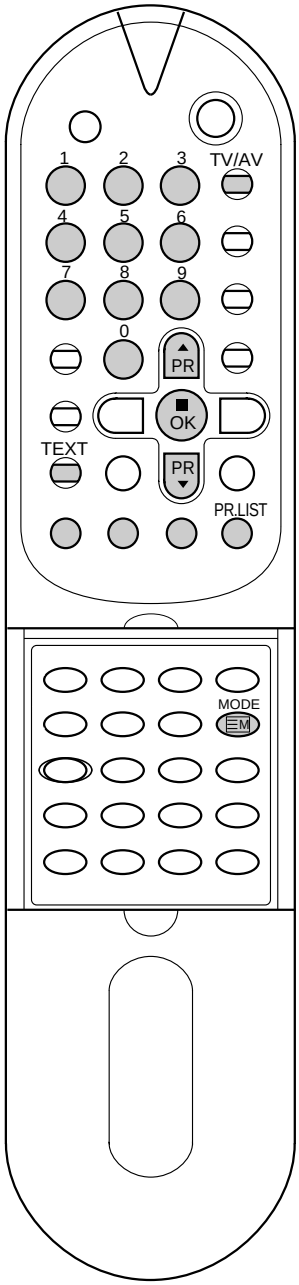
*c. When you switch the set off, the set releases the preset sleep time.*

# Teletext (option)

Teletext (or TOP text) is an optional function, therefore only a set with the teletext system can receive the teletext broadcast.

Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.

The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.




## Switch on/off

Press the **TEXT** button to switch to teletext. The initial page or last selected page appears on the screen.
Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.
Press the **TEXT** or **TV/AV** button to switch off teletext. The previous mode reappears.

## SIMPLE text

**Page selection**

1. Enter the desired page number as a three digit number with the NUMBER buttons. If during selection you press a wrong number, you must complete the three digit number and then re-enter the correct page number.
2. The ▲ / ▼ button can be used to select the preceding or following page.

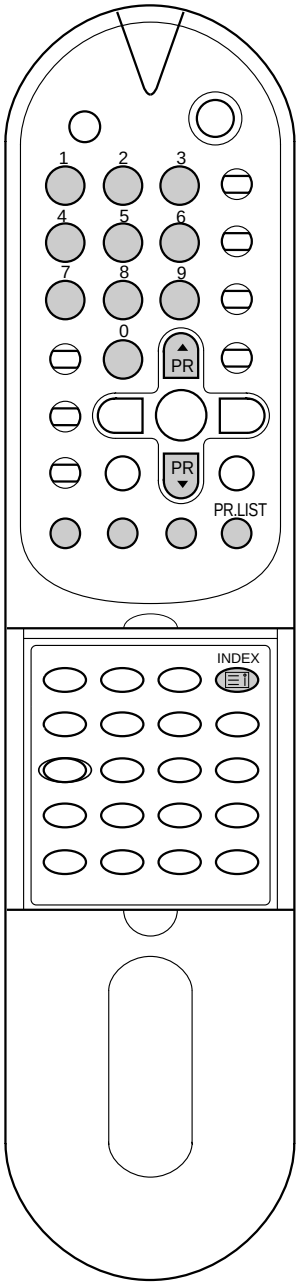
**Programming a colour button in LIST mode**

If the TV is in SIMPLE text, TOP text or FASTEXT mode, press the **MODE** button to switch to LIST mode.

Four teletext page numbers of your choice can be colour coded and easily selected by pressing the corresponding coloured button on the remote control handset.

1. Using the NUMBER buttons, select the page you wish to programme.
2. Wait until the page is displayed on the screen and press the **OK** button. The page numbers in the colour boxes along the bottom of the screen change to "000?".
3. Press a colour button to store the page number. From now on, you can select this page with the same coloured button.
4. The three other coloured buttons are programmed in this way.

# Teletext (option)




## TOP text (option)

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

**Block / group / page selection**

1. With the blue button you can progress from block to block.
2. Use the yellow button to proceed to the next group with automatic overflow to the next block.
3. With the green button you can proceed to the next existing page with automatic overflow to the next group.
   Alternatively the ▲ button can be used.
4. The red button permits to return to previous selection.
   Alternatively the ▼ button can be used.

**Direct page selection**

Corresponding to the SIMPLE teletext mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode.

## FASTEXT

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

**Page selection**

1. Press the **INDEX** button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
4. The ▲ / ▼ button can be used to select the preceding or following page.

# Teletext (option)

## Special teletext functions

**REVEAL**
Press this button to display concealed information, such as solutions of riddles or puzzles.
Press this button again to remove the information from the display.

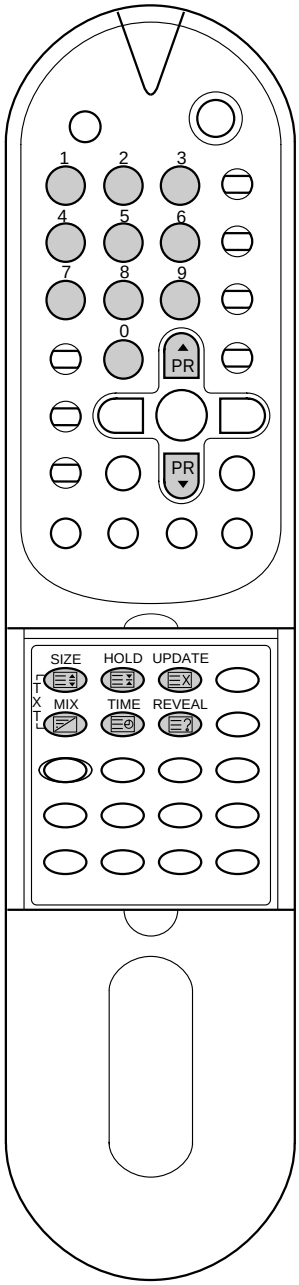
**SIZE**
Selects double height text.
Press this button to enlarge the top half of the page.
Press this button again to enlarge the bottom half of the page.
Press this button again to return to the normal display.

**UPDATE**
Displays the TV picture on the screen while waiting for the new teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available then display will change to the page number.
Press this button to view the updated teletext page.

**HOLD**
Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inhibited.
To continue press this button again.

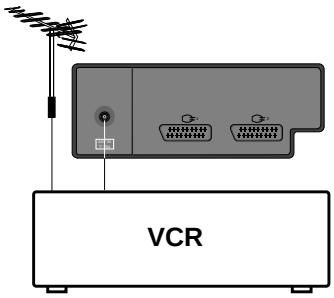
**MIX**
Displays the teletext pages superimposed on the TV picture.
To switch the TV picture off press this button again.

**TIME**
When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display. In the teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the ▲ / ▼ or NUMBER buttons.
Press again to exit this function.



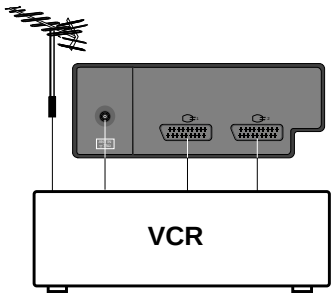
# Connection of external equipment

You can connect additional equipment, such as VCRs, camcorders etc. to your set.
Here shown may be somewhat different from your set.




## Aerial socket

1. Connect the RF out socket of the VCR to the aerial socket on the back of the set.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on a desired programme number using the 'Manual programme tuning' section.
4. Select the programme number where the VCR channel is stored.
5. Press the **PLAY** button on the VCR.



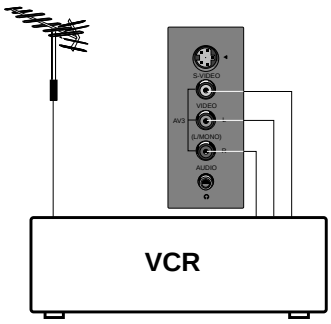

## Euro scart sockets

1. Connect the Euro scart socket of the VCR to the Euro scart socket 1 or 2 of the set.
2. Press the **PLAY** button on the VCR.
   If your VCR outputs a switching voltage connect to Euro scart socket 1 or 2. If **Auto AV AV 1** or **AV 2** is selected, the set will switch to **AV 1** or **AV 2** mode automatically.

   Otherwise press the **TV/AV** button on the remote control hand-set to select **AV 1** or **AV 2**. The VCR playback picture appears on the screen.

   You can also record programmes received by the TV on video tape.

***Note :*** *Signal type RGB, i.e. the signals red, green and blue can only be selected for the Euro scart socket 1 (not Euro scart 2).These signals are transmitted, for example, by a computer, pay TV decoder, game machine or photo CD unit, etc.*



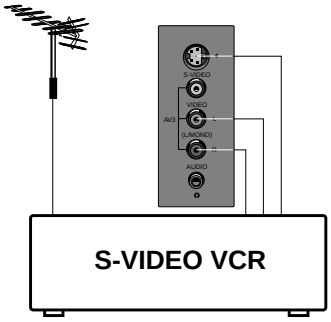

## Audio / Video in sockets

1. Connect the audio/video out sockets of the VCR to audio/video in sockets of the set.
2. Press the **TV/AV** button to select **AV 3**.
3. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.

***Note :*** *If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** socket on the front or side panel.*

# Connection of external equipment

## S-video / Audio in sockets (S-AV) (option)



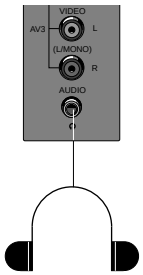

S-AV is an optional function. Only a set with S-AV option can perform this function.

When connecting an S-VIDEO VCR to the **S-VIDEO** socket, the picture quality will be further improved.

1. Connect the S-video socket of the VCR to the **S-VIDEO** socket on the front panel of the set.
2. Connect the audio cable from the S-VIDEO VCR to the **AUDIO** sockets on the front panel of the set.
3. Select **AV 3** by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.

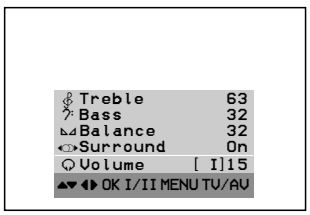
***Note :*** *If both **S-VIDEO** and **VIDEO** sockets have been connected to the S-VHS VCR simultaneously, only the **S-VIDEO** can be received.*

## Headphone socket (option)




Headphone is an optional function. Only a set with headphone option can perform this function.

Insert the headphone plug to the headphone socket on the front or side panel.
You can listen to the sound through the headphone and the TV's speakers. To adjust the headphone volume, in the Sound menu press the ▲ / ▼ button to select **Volume** then the ◄ / ► button. See the 'Sound adjustment' section.




If you press the button, only the sound from the TV's speakers are switched off.

When a programme is received in dual language, you can select a language (**DUAL I**, **DUAL II** or **DUAL I II**) for the sound from the headphone regardless of that from the TV's speakers. In the Sound menu, press the ▲ / ▼ button to select **Volume** then **I/II/*** button to select the desired language; **I**, **II** or **I II**.
At this time if the set is in AV mode, the **I/II/*** button selects output sound; **L R**, **L L** or **R R**, in turn.

# Troubleshooting check list

## Symptoms

No picture, no sound

Sound OK, poor picture

Picture OK, poor sound

Picture blurred

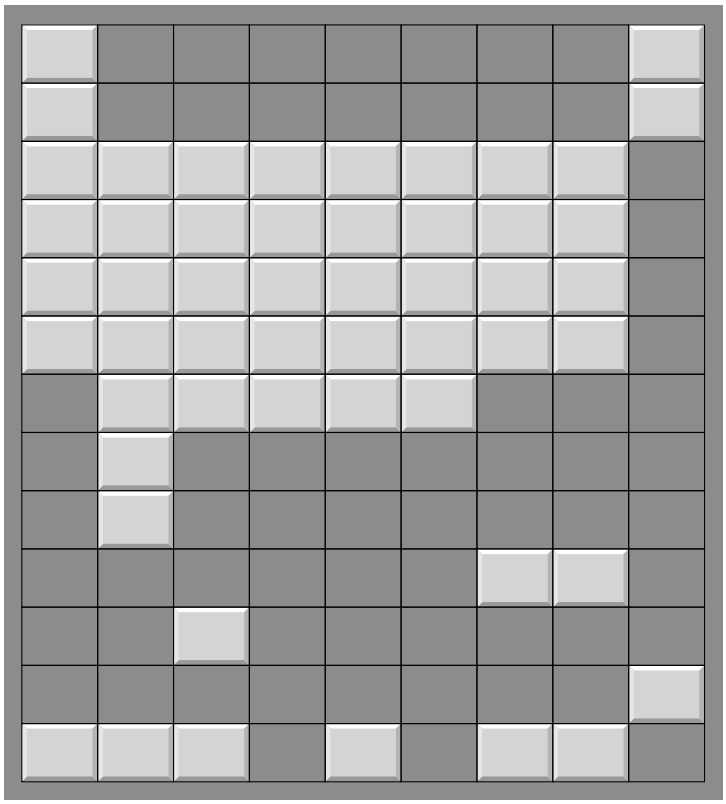
Lines or streaks in picture

Poor reception on some channels

No colour

Poor colour

Remote control does not work



### Check these items and try to adjust these

The mains plug-(plugged in and switched on)

Is the TV switched on

Try another channel (weak signal)

Check aerial (plugged into TV?)

Check aerial (broken lead?)

Check aerial

Check for local interference

Adjust contrast

Adjust brightness

Adjust colour

Adjust volume

Check the batteries in remote control

Check Audio/Video sockets (VCR only)